

## VERTICAL LAMINAR AIRFLOW CABINET

### WOLF VS

#### FOREWORD

VS cabinets provide vertical laminar-flow. Most of the air is recirculated through the HEPA filter, with part being expelled into the environment through the exhaust outlet. VS cabinets operate under negative pressure after sterilisation through the HEPA filter and provide Class 100 air according to Federal Standard 209e. They therefore protect the product from micro-organisms and air borne contaminants. The balanced, perforated work surface and design of the working aperture provide an excellent flow laminarity at the work level.



#### APPLICATIONS

These cabinets have been specifically designed to meet the demands of modern industrial laboratories, primarily for handling cell cultures and no-hazardous biological agents, when it is necessary to ensure product protection.

VS cabinet have applications in a wide range of disciplines, including:

- Quality control of pharmaceuticals and food industries
- Microbiology
- Cell culture
- Sterile handling

#### SPECIFICATIONS

**Construction:** corrosion resistant epoxy powder painted steel.

**Work surface:** glazed AISI-stainless steel completely perforated to ensure flow laminarity and air recycling at the work surface level.

**Transparent side walls:** safety glass.

**Absolute filter:** HEPA filter, tested with D. 0. P aerosol. Its efficiency, higher than 99.995% MPPS -0.005% penetration - ensures performance exceeding requirements of EN1822, U. S. Federal Standard 209 e, British Standard 5295, VDI-2083 and AS 1386-1979.

**Motor-blower:** direct coupled motor, electronic speed controlled to maintain a constant air flow of 0.45 m/sec, and compensate for a partially clogged filter up to a maximum plenum pressure of 40 mm of water.

**Power supply:** 230 V, 50 Hz, single phase. Other voltages available on request.

**Lighting:** remote mounted fluorescent light, outside sterile area.

**Front window:** safety glass window with camlock.

**Spillage tray:** a painted spillage tray beneath the work surface collects spilt liquid.

**Additional features:** the work area is equipped with a manual gas tap and IP-44 electrical socket.

Code	Model	Useful dimensions mm			Overall dimensions mm			Power	Weight
		W	H	D	W	H	D	Kw	Kg.
O74 500320	VS-4	1220	640	580	1312	1430	765	0.6	163
O74 500325	VS-5	1525	640	580	1617	1430	765	0.7	198
O74 500330	VS-6	1830	640	580	1922	1430	765	0.8	225

Working aperture mm	Exhaust duct $\text{Æ}$	Temperature rise	Volts Hz	Noise level dBA	Lighting lux	Vibration mm rms
170mm	105mm	<3° C	230/50	<59	>900	<0.006

$\pi$  **ACCESSORIES:**

Code	Description
O74 704240	Epoxy powder painted modular stand for VS-4
O74 704260	Epoxy powder painted modular stand for VS-5
O74 704280	Epoxy powder painted modular stand for VS-6
O74 700500	UV Lamp for VS-4 on stainless steel front closure
O74 700510	UV Lamp for VS-5 on stainless steel front closure
O74 700520	UV Lamp for VS-6 on stainless steel front closure
O74 704360	Exhaust charcoal filter
O74 704340	Additional exhaust HEPA filter
O74 700780	Hour Counter
O74700740	Digital anemometer
O74 700750	Digital anemometer and automatic regulator
O74 709076	D.O.P. inlet
O74 700660	Set of 2 gas springs for frontal glass
O74 700770	Additional service connection for electrical power
O74 700760	Additional service connection for gas/vacuum (manual tap)